

## **6. ENGINEERING SYSTEMS REQUIREMENTS**

### **F10 SPECIAL CONSTRUCTION**

#### **SYSTEM DESCRIPTION**

Special Construction shall include special construction systems.

### **GENERAL SYSTEMS REQUIREMENTS**

#### **F1030 SPECIAL CONSTRUCTION SYSTEMS**

The contractor shall provide temporary office facilities (trailers or other modular pre-engineered facilities) to meet the requirements of MSAU operations during construction. Temporary office facilities shall be located on the site designated for new parking shown on C-103, Site Plan, and shall be installed and available for MSAU use prior to the demolition of Whaling Hall, with the following minimal programmed spaces:

1. 100 SF: Commanding Officer's Office (1 desk, with workstation)
2. 100 SF: Senior Enlisted Advisor Office (1 desk, with workstation)
3. 100 SF: Department of State Liaison Office (1 desk, with workstation)
4. Open office space:
  - a. 12 cubicles (with workstations), 65 SF each: XO/Ops/Training/clerks/corpsman
  - b. 10 cubicles (with workstations), 65 SF each: Det Commanders
  - c. 3 cubicles (with workstations), 65 SF each: Department of State Personnel
5. 122 SF: Briefing/conference room
6. 100 SF: Section Leaders Space (desk w/ 3 chairs)
7. 150 SF: Restrooms (male & female)
8. 150 SF: Equipment storage
9. 1,232 SF: Additional trailer solely for equipment storage (MSAU gear)

Temporary facilities shall comply with UFC 4-010-01, DoD Minimum Antiterrorism Standards for Buildings, to provide a minimum level of protection against mass casualties. For modular structures, apply criteria for new and existing buildings in Appendix B.

Temporary facilities shall comply with UFC 3-600-01, Fire Protection Engineering for Facilities.

The Contractor shall tie into existing power sources and water and sewer lines at appropriate locations, per utility survey data. Provide backflow preventers in accordance with Section 01 50 00.00 20, "Temporary Facilities and Controls for Design-Build."

Temporary facilities shall be weather tight, and designed, constructed, and erected in accordance with IBC and ASCE 7-05. Air conditioning units shall conform to NFPA 90A and ANSI/AHRI 210/240. All electrical work shall conform to NFPA 70. Design wind velocity and seismic loading criteria shall be in accordance with UFC 3-301-01.

The work includes delivery, erection, and removal of temporary office facilities including all necessary furnishings to allow MSAU personnel designated in the listed program to seamlessly perform their mission for the duration of the project. The work includes stairs, platforms, railings, walks, and exterior lighting as required to facilitate access from finished grade to the temporary facilities. Construct stairs, ramps, and railings in accordance with NFPA 101. The site shall be properly drained.

Provide design and installation for anchors, piers and tie-down components tested, listed and approved by the FDHSMV DMV Bureau of Mobile Home and Recreational Vehicle Construction, if trailers are used.

The contractor shall make adequate provisions for the maintenance of the site and temporary facilities during occupancy, and shall remove the temporary facilities from the site once all occupants have fully moved out of temporary office facilities into the newly constructed MSAU HQ-BEQ.